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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/202,104A

DATE: 02/06/2001
 TIME: 14:58:46

Input Set : A:\ES.txt
 Output Set: N:\CRF3\02062001\I202104A.raw

3 <110> APPLICANT: van Leengoed, Leonardus Adrianus Maria Govardus
 4 Hoebe, Kasper Hubertus Nicolaas
 5 Meloen, Robert Hans
 7 <120> TITLE OF INVENTION: IL-6 and IL-6 receptor derived peptide having IL-6 antagonistic or
 8 agonistic activity
 10 <130> FILE REFERENCE: 2183-3890US
 12 <140> CURRENT APPLICATION NUMBER: US 09/202,104A
 13 <141> CURRENT FILING DATE: 1999-04-30
 15 <150> PRIOR APPLICATION NUMBER: EP 96201720.8
 16 <151> PRIOR FILING DATE: 1996-06-20
 18 <150> PRIOR APPLICATION NUMBER: PCT/NL97/00345
 19 <151> PRIOR FILING DATE: 1997-06-19
 21 <160> NUMBER OF SEQ ID NOS: 19
 23 <170> SOFTWARE: PatentIn version 3.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 12
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Artificial Sequence
 30 <220> FEATURE:
 31 <221> NAME/KEY: misc_feature
 32 <223> OTHER INFORMATION: Description of Artificial Sequence: region in IL-6
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 38 1 5 10
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 16
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 43 <213> ORGANISM: Artificial Sequence
 45 <220> FEATURE:
 46 <221> NAME/KEY: misc_feature
 47 <223> OTHER INFORMATION: Description of Artificial Sequence: region in IL-6
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 52 Ser Thr Lys Val Leu Ile Gln Phe Leu Gln Lys Lys Ala Lys Asn Leu
 53 1 5 10 15
 55 <210> SEQ ID NO: 3
 56 <211> LENGTH: 19
 57 <212> TYPE: PRT
 58 <213> ORGANISM: Artificial Sequence
 60 <220> FEATURE:
 61 <221> NAME/KEY: misc_feature
 62 <223> OTHER INFORMATION: Description of Artificial Sequence: region in IL-6
 65 <400> SEQUENCE: 3
 67 Ile Leu Arg Ser Phe Lys Glu Phe Leu Gln Ser Ser Leu Arg Ala Leu
 68 1 5 10 15
 70 Arg Gln Met
 73 <210> SEQ ID NO: 4
 74 <211> LENGTH: 15

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75 <212> TYPE: PRT
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <223> OTHER INFORMATION: Description of Artificial Sequence: region of receptor alpha-chai
81     n of IL-6
84 <400> SEQUENCE: 4
86 Gln Leu Ser Cys Phe Arg Lys Ser Pro Leu Ser Asn Val Val Cys
87 1           5           10           15
89 <210> SEQ ID NO: 5
90 <211> LENGTH: 21
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <221> NAME/KEY: misc_feature
96 <223> OTHER INFORMATION: Description of Artificial Sequence: region of receptor alpha-chai
97     n of IL-6
100 <400> SEQUENCE: 5
102 Pro Arg Ser Thr Pro Ser Leu Thr Thr Lys Ala Val Leu Leu Val Arg
103 1           5           10           15
105 Lys Phe Gln Asn Ser
106           20
108 <210> SEQ ID NO: 6
109 <211> LENGTH: 20
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <221> NAME/KEY: misc_feature
115 <223> OTHER INFORMATION: Description of Artificial Sequence: region of receptor alpha-chai
116     n of IL-6
119 <400> SEQUENCE: 6
121 Met Cys Val Ala Ser Ser Val Gly Ser Lys Phe Ser Lys Thr Gln Thr
122 1           5           10           15
124 Phe Gln Gly Cys
125           20
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128 <211> LENGTH: 25
129 <212> TYPE: PRT
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <221> NAME/KEY: misc_feature
134 <223> OTHER INFORMATION: Description of Artificial Sequence: region of receptor beta-chain
135     of IL-6
138 <400> SEQUENCE: 7
140 Pro Glu Lys Pro Lys Asn Leu Ser Cys Ile Val Asn Glu Gly Lys Lys
141 1           5           10           15
143 Met Arg Cys Glu Trp Asp Gly Gly Arg
144           20           25
146 <210> SEQ ID NO: 8

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147 <211> LENGTH: 25
148 <212> TYPE: PRT
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153 <223> OTHER INFORMATION: Description of Artificial Sequence: region of receptor beta-chain
154     of IL-6
157 <400> SEQUENCE: 8
159 Asn Phe Thr Leu Lys Ser Glu Trp Ala Thr His Lys Phe Ala Asp Cys
160 1             5             10             15
162 Lys Ala Lys Arg Asp Thr Pro Thr Ser
163             20             25
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166 <211> LENGTH: 15
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
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171 <221> NAME/KEY: misc_feature
172 <223> OTHER INFORMATION: Description of Artificial Sequence: region of receptor beta-chain
173     of IL-6
176 <400> SEQUENCE: 9
178 Trp Val Glu Ala Glu Asn Ala Leu Gly Lys Val Thr Ser Asp His
179 1             5             10             15
181 <210> SEQ ID NO: 10
182 <211> LENGTH: 17
183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <221> NAME/KEY: misc_feature
188 <223> OTHER INFORMATION: Description of Artificial Sequence: region of receptor beta-chain
189     of IL-6
192 <400> SEQUENCE: 10
194 Pro Val Tyr Lys Val Lys Pro Asn Pro Pro His Asn Leu Ser Val Ile
195 1             5             10             15
197 Asn
200 <210> SEQ ID NO: 11
201 <211> LENGTH: 28
202 <212> TYPE: PRT
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <221> NAME/KEY: misc_feature
207 <223> OTHER INFORMATION: Description of Artificial Sequence: region of receptor alpha-chai
208     n of IL-6
211 <400> SEQUENCE: 11
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214 1             5             10             15
216 Leu Val Arg Lys Phe Gln Asn Ser Pro Ala Glu Asp
217             20             25
219 <210> SEQ ID NO: 12

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220 <211> LENGTH: 187
221 <212> TYPE: PRT
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <221> NAME/KEY: misc_feature
226 <223> OTHER INFORMATION: Description of Artificial Sequence: human IL-6 peptide
229 <400> SEQUENCE: 12
231 Ala Pro Pro Val Pro Pro Gly Glu Asp Ser Lys Asp Val Ala Ala Pro
232 1 5 10 15
234 His Arg Gln Pro Leu Thr Ser Ser Glu Arg Ile Ser Lys Gln Ile Arg
235 20 25 30
237 Tyr Ile Leu Asp Gly Ile Ser Ala Leu Arg Lys Glu Thr Cys Asn Lys
238 35 40 45
240 Ser Asn Met Cys Glu Ser Ser Lys Glu Ala Leu Ala Glu Asn Asn Leu
241 50 55 60
243 Asn Leu Pro Lys Met Ala Glu Lys Asp Gly Cys Phe Gln Ser Gly Phe
244 65 70 75 80
246 Asn Glu Glu Thr Cys Leu Val Lys Ile Ile Thr Gly Leu Leu Glu Phe
247 85 90 95
249 Glu Val Tyr Leu Glu Tyr Leu Gln Asn Arg Phe Glu Ser Ser Glu Glu
250 100 105 110
252 Gln Ala Arg Ala Val Gln Met Ser Thr Lys Val Leu Ile Gln Phe Leu
253 115 120 125
255 Gln Lys Lys Ala Lys Asn Leu Asp Ala Ile Thr Thr Pro Asp Pro Thr
256 130 135 140
258 Thr Asn Ala Ser Leu Leu Thr Lys Leu Gln Ala Gln Asn Gln Trp\Leu
259 145 150 155 160
261 Gln Asp Met Thr Thr His Leu Ile Leu Ile Arg Ser Phe Lys Glu Phe
262 165 170 175
264 Leu Gln Ser Ser Leu Arg Ala Leu Arg Gln Met
265 180 185
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268 <211> LENGTH: 112
269 <212> TYPE: PRT
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272 <220> FEATURE:
273 <221> NAME/KEY: misc_feature
274 <223> OTHER INFORMATION: Description of Artificial Sequence: receptor alpha-chain of IL-6
278 <220> FEATURE:
W--> 279 <221> NAME/KEY: Xaa
280 <222> LOCATION: (60)..(65)
281 <223> OTHER INFORMATION: Xaa on pos. 60 and 65 is unknown
284 <400> SEQUENCE: 13
286 Pro Pro Glu Glu Pro Gln Leu Ser Cys Phe Arg Lys Ser Pro Leu Ser
287 1 5 10 15
289 Asn Val Val Cys Glu Trp Gly Pro Arg Ser Thr Pro Ser Leu Thr Thr
290 20 25 30
292 Lys Ala Val Leu Leu Val Arg Lys Phe Gln Asn Ser Pro Ala Glu Asp
293 35 40 45

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295 Phe Gln Glu Pro Cys Gln Tyr Ser Gln Glu Ser Xaa Lys Phe Ser Cys
 296 50 55 60
 298 Xaa Leu Ala Val Pro Glu Gly Asp Ser Ser Phe Tyr Ile Val Ser Met
 299 65 70 75 80
 301 Cys Val Ala Ser Ser Val Gly Ser Lys Phe Ser Lys Thr Gln Thr Phe
 302 85 90 95
 304 Gln Gly Cys Gly Ile Leu Gln Pro Asp Pro Pro Ala Asn Ile Thr Val
 305 100 105 110
 307 <210> SEQ ID NO: 14
 308 <211> LENGTH: 108
 309 <212> TYPE: PRT
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 312 <220> FEATURE:
 313 <221> NAME/KEY: misc_feature
 314 <223> OTHER INFORMATION: Description of Artificial Sequence: receptor beta-chain of IL-6
 317 <400> SEQUENCE: 14
 319 Pro Pro Glu Lys Pro Lys Asn Leu Ser Cys Ile Val Asn Glu Gly Lys
 320 1 5 10 15
 322 Lys Met Arg Cys Glu Trp Asp Gly Gly Arg Glu Thr His Leu Glu Thr
 323 20 25 30
 325 Asn Phe Thr Leu Lys Ser Glu Trp Ala Thr His Lys Phe Ala Asp Cys
 326 35 40 45
 328 Lys Ala Lys Arg Asp Thr Pro Thr Ser Cys Thr Val Asp Tyr Ser Thr
 329 50 55 60
 331 Val Tyr Phe Val Asn Ile Glu Val Trp Val Glu Ala Glu Asn Ala Leu
 332 65 70 75 80
 334 Gly Lys Val Thr Ser Asp His Ile Asn Phe Asp Pro Val Tyr Lys Val
 335 85 90 95
 337 Lys Pro Asn Pro Pro His Asn Leu Ser Val Ile Asn
 338 100 105
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 347 <223> OTHER INFORMATION: Description of Artificial Sequence: region in IL-6
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 353 1 5
 355 <210> SEQ ID NO: 16
 356 <211> LENGTH: 12
 357 <212> TYPE: PRT
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 360 <220> FEATURE:
 361 <221> NAME/KEY: misc_feature
 362 <223> OTHER INFORMATION: Description of Artificial Sequence: region in IL-6
 365 <400> SEQUENCE: 16
 367 Ile Leu Arg Ser Phe Lys Glu Phe Leu Gln Ser Ser

VERIFICATION SUMMARY DATE: 02/06/2001
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Input Set : A:\ES.txt
Output Set: N:\CRF3\02062001\I202104A.raw

L:279 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13
L:295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13